SUBSTITUTE MODIFIED)	FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No.		50026/01										
(MODILLE) FALLY AND HADEMARK OFFI				Serial No.		To Be Assigned Keiya Ozawa									
W					Applicant		Keiya Ozawa								
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. §1.98(b))				Filing Date Group IDS Filed		July 13, 2001									
								<u> </u>			U.S. PATENTS			July 10, 2	.001
									**:			- 1			
Examiner's	Patent Number	Issue Date	Patentee		Class	Subclass	Filing Date								
Initials							(If Appropria								
						L									
	FORE	IGN PATENT O	R PUBLISHED FOREIGN	IPATENT AF	PLICATIO	ON									
Examiner's	Document	Publication	Country or		Class	Subclass	Translation								
Initials	Number	Date	Patent Office	_		,	(Yes/No)								
							<u> </u>								
Ar.	Aki et al., "Iden	tification and C	DING AUTHOR, TITLE, I	tive Regulat	tory Elem	ents in the	Human								
P	Aki et al., "Ident Glyceraldehyde Avalos, "Molect	tification and C e 3-Phosphate		tive Regulat Promoter,"	tory Elem J. Bioche	ents in the m. 122:271	1-278 (1997).								
<i>V</i>	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al.,"	tification and C a 3-Phosphate ular Analysis of "Phenol red in	Characterization of Posi Dehydrogenase Gene If the Granulocyte Color tissue culture media is	tive Regulat Promoter," ny-Stimulati	tory Elem J. Bioche ng Factor rogen: Im	nents in the em. 122:271 r Receptor,	1-278 (1997). " Blood 88:76								
	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al., study of estroge	tification and C a 3-Phosphate ular Analysis of "Phenol red in en-responsive Lymphocyte-I	Characterization of Posi Dehydrogenase Gene of the Granulocyte Color tissue culture media is cells in culture," Proc. I Directed Gene Therapy	tive Regulat Promoter," ny-Stimulati a weak esti Natl. Acad. S	tory Elem J. Bioche ng Factor rogen: Im Sci. USA	nents in the em. 122:271 r Receptor, plications of 83:2496-25	278 (1997). Blood 88:76 concerning the								
	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al., study of estroge Blaese et al., "T Years," Science Bordignon et al	tification and Ce 3-Phosphate ular Analysis of "Phenol red in en-responsive Lymphocyte-le 270:475-480	Characterization of Posi Dehydrogenase Gene of the Granulocyte Color tissue culture media is cells in culture," Proc. I Directed Gene Therapy	tive Regulat Promoter," ny-Stimulati a weak esti Natl. Acad. S r for ADA-Se	tory Elem J. Bioche ng Factor rogen: Im Sci. USA CID: Initia	nents in the em. 122:271 r Receptor, plications of 83:2496-25 al Trial Res	7-278 (1997). Blood 88:76 concerning the 500 (1986). ults After 4								
	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al., "I study of estroge Blaese et al., "I Years," Science Bordignon et al Immunodeficier Conneally et al.	tification and C a 3-Phosphate ular Analysis of "Phenol red in en-responsive Lymphocyte-le 270:475-480 ., "Gene Thera nt Patients," So ., "Rapid and E	Characterization of Posi Dehydrogenase Gene If the Granulocyte Color tissue culture media is cells in culture," Proc. I Directed Gene Therapy (1995).	tive Regulation Promoter," on the Promoter, and the Promoter of the Promoter o	tory Elem J. Bioche ng Factor rogen: Im Sci. USA CID: Initia	r Receptor, Plications of 83:2496-25 al Trial Resonne Marrow	Poly Property of the Property								
	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al., "T Years," Science Bordignon et al Immunodeficier Conneally et al. Heat-Stable An (1996). Danielian et al., Sensitivity to Es	tification and Co e 3-Phosphate ular Analysis of "Phenol red in en-responsive Lymphocyte-le 270:475-480 ., "Gene Thera at Patients," So ., "Rapid and E tigen as an Inc , "Identification strogen and Hy	Characterization of Posi Dehydrogenase Gene If the Granulocyte Color tissue culture media is cells in culture," Proc. I Directed Gene Therapy (1995). Ipy in Peripheral Blood cience 270:470-475 (1985). Efficient Selection of Hudicator of Retroviral-Medicator of Retroviral-Medicator," Mole	tive Regulat Promoter," ny-Stimulati a weak estr Natl. Acad. S / for ADA-So Lymphocyte 195). man Hemat diated Gene rogen Rece cular Endoc	tory Elem J. Bioche Ing Factor rogen: Im Sci. USA CID: Initia es and Bo topoietic e Transfe ptor That crinology	nents in the em. 122:271 r Receptor, plications of 83:2496-25 al Trial Resonne Marrow Cells Expreser, Blood 87:232-240	I-278 (1997). I Blood 88:76 Concerning th 500 (1986). I I Safter 4 I for ADA- I Sassing Murine 7:456-464 I ferential (1993).								
	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al., "T Years," Science Bordignon et al Immunodeficier Conneally et al. Heat-Stable An (1996). Danielian et al., Sensitivity to Es	tification and Co 3-Phosphate ular Analysis of "Phenol red in en-responsive 270:475-480", "Gene Therant Patients," So, "Rapid and Etigen as an Incontrogen and Hystinct Cytoplas yed in Induction	Characterization of Position Dehydrogenase Gene If the Granulocyte Color It issue culture media is cells in culture," Proc. In Directed Gene Therapy (1995). In payin Peripheral Blood Science 270:470-475 (1985). It is in the Estion of Residues in the Estion Dehydrogenase Proceedings (1995).	tive Regulat Promoter," ny-Stimulati a weak estr Natl. Acad. S / for ADA-So Lymphocyte 195). man Hemat diated Gene rogen Rece cular Endoc	tory Elem J. Bioche Ing Factor rogen: Im Sci. USA CID: Initia es and Be topoietic e Transfe ptor That crinology ocyte Co	r Receptor, plications of 83:2496-25 al Trial Resone Marrow Cells Exprese, Blood 87 Confer Diff 7:232-240 lony-Stimul	r Blood 88:76 concerning the 500 (1986). ults After 4 of for ADA- essing Murine 7:456-464 ferential (1993). ating Factor								
	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al., "I Years," Science Bordignon et al. Immunodeficier Conneally et al. Heat-Stable An (1996). Danielian et al., Sensitivity to Es Dong et al., "Di Receptor Involv 13:7774-7781 (tification and Cara-Phosphate ular Analysis of "Phenol red in en-responsive 270:475-480, "Gene Therant Patients," Soc., "Rapid and Etigen as an Incut Cytoplas yed in Induction 1993). Gene Transfer	Characterization of Position Dehydrogenase General of the Granulocyte Color tissue culture media is cells in culture," Proc. In Directed Gene Therapy (1995). The property in Peripheral Blood dience 270:470-475 (1995). The property is a second of the dicator of Retroviral-Medicator of Residues in the Est ordroxytamoxifen," Molestinic Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est of Residues in the Est of Residues in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in	tive Regulation Promoter," on Stimulation a weak estration of ADA-Science of ADA-	tory Elem J. Bioche Ing Factor rogen: Im Sci. USA CID: Initia es and Be topoietic e Transfe ptor That crinology ocyte Co Molecular	rents in the em. 122:271 r Receptor, plications of 83:2496-25 al Trial Resone Marrow Cells Expredict, Confer Diff 7:232-240 lony-Stimular and Cellul	I-278 (1997). I Blood 88:76 Concerning the 500 (1986). I ults After 4 I for ADA- I ssing Murine 7:456-464 I ferential (1993). I ating Factor ar Biology								
K	Aki et al., "Ident Glyceraldehyde Avalos, "Molect 777 (1996). Berthois et al., "T Years," Science Bordignon et al Immunodeficier Conneally et al. Heat-Stable An (1996). Danielian et al., Sensitivity to Es Dong et al., "Di Receptor Involu 13:7774-7781 (Dunbar et al., "Problems," Ster	tification and Ce 3-Phosphate ular Analysis of "Phenol red in en-responsive 270:475-480", "Gene Therant Patients," So, "Rapid and Etigen as an Incomplete and Hystinct Cytoplas (1993). "Gene Transfer Cells 12:563", "Growth and	Characterization of Position Dehydrogenase General of the Granulocyte Color tissue culture media is cells in culture," Proc. In Directed Gene Therapy (1995). The property in Peripheral Blood dience 270:470-475 (1995). The property is a second of the dicator of Retroviral-Medicator of Residues in the Est ordroxytamoxifen," Molestinic Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est of Residues in the Est of Residues in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in the Est in the Est of Regions of the Humon of Proliferation and Medicator Hematopoietic Proliferation in the Est in	tive Regulation Promoter," in y-Stimulation a weak estimation. Acad. Strong of the ADA-Strong of the A	tory Elem J. Bioche Ing Factor In	nents in the em. 122:271 r Receptor, plications of 83:2496-25 al Trial Resone Marrow Cells Expreser, Blood 83 c Confer Diff 7:232-240 lony-Stimular and Cellular ells: Progre	I-278 (1997). I Blood 88:76 concerning the 500 (1986). I Lits After 4 I for ADA- essing Murine 7:456-464 I ferential (1993). I ating Factor ar Biology I ss and In the								

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

			Sheet 2 of 3			
SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			50026/012003			
		Serial No.	To Be Assigned			
INFORMATION DISCLOSURE		Applicant	Keiya Ozawa			
	STATEMENT BY APPLICANT	Filing Date	July 13, 2001			
	(Use several sheets if necessary)					
(37 C.F.R. §1.98(b))		IDS Filed	July 13, 2001			
	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE	E, DATE, PLACE OF PUBL	ICATION)			
B	Fukunaga et al., "Functional domains of the granulocyte colony-stimulating factor receptor," EMBO Journal 10:2855-2865 (1991).					
	Fukunaga et al., "Purification and Characterization stimulating Factor," The Journal of Biological Che					
	Gabbianelli et al., "Multi-Level Effects of flt3 Ligand on Human Hematopoiesis: Expression of Putative Stem Cells and Proliferation of Granulomonocytic Progenitors/Monocytic Precursors," Blood 86:1661-1670 (1995).					
	Gossen et al., "Tight control of gene expression in promoters," Proc. Natl. Acad. Sci. USA 89:5547-5					
	Hanania et al., "Serial transplantation shows that early hematopoietic precursor cells are transduced by MDR-1 retroviral vector in a mouse gene therapy model," Cancer Gene Therapy 1:21-25 (1994).					
	Haniù et al., "Extracellular Domain of Granulocyte-Colony Stimulating Factor Receptor," Archives of Biochemistry and Biophysics 324:344-356 (1995).					
Hockenbery et al., "Bcl-2 Functions in an Antioxidant Pathway to Prevent Apoptosis," Cell 75:2 251 (1993).						
	Hollenberg et al., "Use of a conditional MyoD transcription factor in studies of MyoD transactivation and muscle determination," Proc. Natl. Acad. Sci. USA 90:8028-8032 (1993). Hope et al., "trans-Dominant Inhibition of Human Immunodeficiency Virus Type 1 Rev Occurs through Formation of Inactive Protein Complexes," Journal of Virology 66:1849-1855 (1992). Hudak et al., "FLT3/FLK2 Ligand Promotes the Growth of Murine Stem Cells and the Expansion of Colony-Forming Cells and Spleen Colony-Forming Units," Blood 85:2747-2755 (1995).					
	Ikebuchi et al., "Granulocyte colony-stimulating factor enhances interleukin 3-dependent proliferation of multipotential hemopoietic progenitors," Proc. Natl. Acad. Sci. USA 85:3445-3449 (1988).					
	Ito et al., "Development of a Novel Selective Amplifier Gene for Controllable Expansion of Transduced Hematopoietic Cells," Blood 90:3884-3892 (1997).					
	Karlsson, "Treatment of Genetic Defects in Hematopoietic Cell Function by Gene Transfer," Blood 78:2481-2492 (1991).					
	Littlewood et al., "A modified oestrogen receptor ligand-binding domain as an improved switch for the regulation of heterologous proteins," Nucleic Acids Research 23:1686-1690 (1995).					
Luo et al., "Oligomerization activates c-Raf-1 through a Ras-dependent mechanism," Nature 383:181-185 (1996).						
EXAMINER	Can DATE	CONSIDERED Next	15 lw3			
EYAMINED: I	Illustration considered. Provides through citation if not in					

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

			Sheet 3 of				
SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERC PATENT AND TRADEMARK OFFICE		Attorney Docket No.	50026/012003				
		Serial No.	To Be Assigned				
	INFORMATION DISCLOSURE	Applicant	Keiya Ozawa				
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	July 13, 2001				
(Use several sheets if necessary)		Group					
37 C.F.R. §1.98(b))		IDS Filed	July 13, 2001				
	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, D	DATE, PLACE OF PUBL	ICATION)				
W	Medin et al., "A Bicistornic Therapeutic Retroviral VecCells and Corrects the Enzyme Deficiency in Cells Fr (1996).						
	Molineux et al., "The Effects on Hematopoiesis of Re Administered In Vivo to Mice Either Alone or in Comb Factor," Blood 78:961-966 (1991).						
	Nagamune et al., "The development of artificial receptor-expressing cells capable of being switched by antigen-antibody reactions," Pharmacia 36(6):474-478 (2000). (English translation attached).						
	Pawliuk et al., "Selection of Retrovirally Transduced Hematopoietic Cells Using CD24 as a Marker of Gene Transfer," Blood 84:2868-2877 (1994).						
	Picard et al., "A Movable and Regulable Inactivation Function within the Steroid Binding Domain the Glucocorticoid Receptor," Cell 54:1073-1080 (1988).						
	Planelles et al., "A new reporter system for detection of retroviral infection," Gene Therapy 2:369-376 (1995).						
	Richardson et al., "Preselection of Transduced Murine Hematopoietic Stem Cell Populations Lead to Increased Long-Term Stability and Expression of the Human Multiple Drug Resistance Gene," Blood 86:2579-2589 (1995).						
	Roemer et al., "Modulation of cell proliferation and gene expression by a p53-estrogen receptor hybrid protein," Proc. Natl. Acad. Sci. USA 90:9252-9256 (1993).						
	Romano et al., "Recent Advances, Prospects and Problems in Designing New Strategies for Oligonucleotide and Gene Delivery in Therapy," in vivo 12:59-68 (1998). Sorrentino et al., "Selection of Drug-Resistant Bone Marrow Cells in Vivo After Retroviral Transfer of Human MDR1," Science 257:99-103 (1992).						
	Takebayashi et al., "Hormone-induced Apoptosis by Fas-Nuclear Receptor Fusion Proteins: Novel Biological Tools for Controlling Apoptosis in Vivo," Cancer Research 56:4164-4170 (1996).						
	Tong et al., "In Vivo Administration of Recombinant Methionyl Human Stem Cell Factor Expands the Number of Human Marrow Hematopoietic Stem Cells," Blood 82:784-791 (1993).						
	Walsh et al., "A Functionally Active Retrovirus Vector for Gene Therapy in Fanconi Anemia Group C," Blood 84:453-459 (1994).						
	Welte et al., "Filgrastim (r-metHuG-CSF): The First 10 Years," Blood 88:1907-1929 (1996).						
}	White et al., "Molecular Analysis of the Region of Distal 1p Commonly Deleted in Neuroblastoma," European Journal of Cancer 33:1957-1961 (1997).						
pa (Yoshikawa et al., Distinct signal transduction through the tyrosine-containing domains of the granulocyte colony stimulating factor receptor," The EMBO Journal 14:5288-5296 (1995).						
XAMINER	JAM DATE CO	NSIDERED MOLL	5,2002				
EXAMINER: Ir	nitial citation considered. Draw line through citation if not in conext communication to applicant.	onformance and not cons	sidered. Include copy of this				

11.